

DESIGNATION OF *PANGONIA CONICA* BIGOT, 1857,  
NOT PHILIPPI: 1865 AS TYPE-SPECIES OF  
*MYCTEROMYIA* PHILIPPI, 1865 (INSECTA, DIPTERA,  
TABANIDAE). Z.N.(S.) 2199

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Confusion has recently resulted from the early misidentification of *Pangonia conica* Bigot, 1857 (*Ann. Soc. ent. Fr.*, vol. 5: 278), from Chile, the first of four species assigned by Philippi when he created the new primitive horsefly genus *Mycteromyia* in 1865 (*Verh. zool. bot. Ges. Wien*, vol. 15: 712). Without further characterization, Enderlein (1922, *Mitt. Berlin zool. Mus.* vol. 10: 340) designated *P. conica* Bigot as type-species of *Mycteromyia*. This species was the only one included by Philippi in actual characterization of the new genus, but he also redescribed what he supposed to be this species as No. 1 of his 4 included species. After study of the type in the British Museum (Natural History) of *P. conica*, Philip (1968, *Rev. Chil. Ent.*, vol. 6: 12) confirmed his belief (1958, *Pan-Pac. Ent.*, vol. 34: 63) that Bigot's species had been misidentified by Philippi; this was actually his No. 2 species, *M. fusca* n. sp., as confirmed by Philip (op. cit.) by comparison with the type female of *fusca* in Santiago, Chile, of his specimen compared and found to agree with the type of *P. conica*. *M. conica* Bigot sensu Philippi was then described as a new species, *M. philippii* Philip (1958, op. cit.) and this species was interpreted in a recent catalog of Neotropical TABANIDAE (Fairchild, 1971 *Mus. Zool. Univ. S. Paulo*, Fasc.28: 124) as the true type-species ("Type species, *Pangonia conica* Bigot Enderlein, 1922: 340) (= *philippii* Philip").

2. This new concept would change previous usage exemplified in Surcouf (1921, *Gen. Insectorum*, Fas., 175, p. 123) who states "Le genre *Mycteromyia* fut crée pour *Pangonia conica* (1) Bigot, du Chile," with footnote (1) copying verbatim Bigot's original description of the species. This concept was not changed when Enderlein (op. cit.) designated *P. conica* Bigot as type-species of *Mycteromyia*. Nor was it changed in his "Catalogo" of Neotropical TABANIDAE when Kroeber (1934, *Rev. Ent.*, vol. 4(2), p. 239) under *Mycteromyia* repeated "Genotype *Pangonia conica* Bigot," and also listed *fusca* Philippi as No. 5 species.

3. No confusion in application of this generic name to a group of primitive, non-haematophagous flies in southern South America occurred until the recent discovery cited above that Philippi had originally misidentified the later-assigned type-species. No subsequent usage in the Fairchild 1971 interpretation has

occurred, but could cause future taxonomic confusion if it is followed.

4. Misidentified type-species, when new genera are erected, are considered under Articles 67 and 70a, ICZN, as proper subjects for referral to the Commission for consideration of the individual merits of each case. Pending such decision, current usage is to be followed.

5. *Mycteromyia* is now catalogued (Fairchild, 1971, op. cit.) with 13 species in the southern Neotropical Region, and several additions are in prospect. The genus also has zoogeographic and phylogenetic significance.

6. A decision on the nomenclaturally acceptable type-species of *Mycteromyia* is of immediate concern because new genitalic studies on the assemblage of species now assigned to the genus, in preparation by S. Coscaròn of La Plata University, Argentina, and the undersigned, indicate that:

(1) *M. conica* (Bigot) and *M. philippii* ("conica" of Philippi) Philip are not congeneric;

(2) *M. philippii* will be the designated type-species of a new genus on the assumption that the original concept of *Pangonia conica* Bigot (not sens. Philippi), as type species of *Mycteromyia*, is not changed as it has been in Fairchild's recent catalog (op. cit.); and

(3) suprageneric taxa as high at least as tribe, now under revision, could be affected nomenclaturally.

7. The Commission is therefore requested:

(1) to designate the nominal species *Pangonia conica* Bigot, 1857, as type-species of the nominal genus *Mycteromyia* Philippi, 1865;

(2) to place the generic name *Mycteromyia* Philippi, 1865 (gender: feminine), type-species, by designation by the Commission under (1) above, *Pangonia conica* Bigot, 1857, on the Official List of Generic Names in Zoology;

(3) to place the specific name *conica* Bigot, 1857, as published in the binomen *Pangonia conica* (specific name of type-species of *Mycteromyia* Philippi, 1865) on the Official List of Specific Names in Zoology.